

METHODS AND SYSTEMS FOR MINIMIZING ALIEN CROSSTALK BETWEEN CONNECTORS

RELATED APPLICATIONS

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[0001] The present application is related to applications entitled "CABLE WITH OFFSET FILLER" (U.S. Serial No. 10/746,800) and "CABLE UTILIZING VARYING LAY LENGTH MECHANISMS TO MINIMIZE ALIEN CROSSTALK" (U.S. Serial No. 10/746,757), each filed December 26, 2003, and each of which is incorporated by reference in its entirety. The present application is also related to applications entitled "METHODS AND SYSTEMS FOR POSITIONING CONNECTORS TO MINIMIZE ALIEN CROSSTALK" and "METHODS AND SYSTEMS FOR COMPENSATING FOR ALIEN CROSSTALK BETWEEN CONNECTORS", each filed on the same date as the present application.

BACKGROUND OF THE INVENTION

[0002] The present invention relates to methods and systems for minimizing alien crosstalk between connectors. Specifically, the methods and systems relate to isolation and compensation techniques for minimizing alien crosstalk between connectors for use with high-speed data cabling.

[0003] In the field of data communications, communications networks typically utilize techniques designed to maintain or improve the integrity of signals being transmitted via the network ("transmission signals"). To protect signal integrity, the communications networks should, at a minimum, satisfy compliance standards that are established by standards committees, such as the Institute of Electrical and Electronics Engineers (IEEE). The compliance standards help network designers provide communications networks that achieve at least minimum levels of signal integrity as well as some standard of interoperability.